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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/760,440	01/20/2004	George E. Hanson	03-1597	03-1597 9224		
24319	7590 10/20/2005		EXAM	EXAMINER		
	CORPORATION	BERHANE,	BERHANE, ADOLF D			
1621 BARB MS: D-106	ER LANE		ART UNIT	PAPER NUMBER		
MILPITAS,	CA 95035		2838			
			DATE MAILED: 10/20/2009	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	Application No.		Applicant(s)			
		10/760,440		HANSON, GEORGE E.				
		Examiner		Art Unit				
		Adolf Berhar	· -	2838				
Period fo	The MAILING DATE of this communication a or Reply	appears on the c	over sheet with the c	orrespondence ad	Idress			
WHI(- Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REF CHEVER IS LONGER, FROM THE MAILING nsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory perior are to reply within the set or extended period for reply will, by stated reply received by the Office later than three months after the may are patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS 1.136(a). In no event od will apply and will e tute, cause the applica	S COMMUNICATION, however, may a reply be time expire SIX (6) MONTHS from tition to become ABANDONEI	I. lely filed the mailing date of this of (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed on <u>01</u>	September 200	<u>05</u> .					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ Ti	his action is nor	n-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠	4)⊠ Claim(s) <u>1-6,8-14 and 16-19</u> is/are pending in the application.							
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	☑ Claim(s) <u>1-6, 8-14 and 16-19</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction and/or election requirement.							
Applicat	on Papers							
9)□	The specification is objected to by the Exami	iner.						
	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
•	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	under 35 U.S.C. § 119							
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bure	eau (PCT Rule 1	17.2(a)).					
* 5	See the attached detailed Office action for a li	ist of the certifie	d copies not receive	d.				
Attachmen	• •		_					
	e of References Cited (PTO-892)	4	Interview Summary Paper No(s)/Mail Da					
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/0	5)	Notice of Informal Pa		D-152)			
Paper No(s)/Mail Date 6) Other:								

Application/Control Number: 10/760,440

Art Unit: 2838

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-6, 8-14 and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsushita (6,504,270).

Matsushita teach the claimed invention except for a full wave rectifier at the output of the transformer. Matsushita disclose an uninterruptible switching regulator in Figs. 1-7. A DC output stage that outputs a predetermined DC electrical power (+12), an AC input stage (1) connected to the DC output stage (+12 V, -12 V and +5 V, see Fig. 4), with the AC input stage (1) configured to convert AC electrical power at the AC input stage into the predetermined DC electrical power (4) available at the DC output stage, a DC input stage (26) connected to the DC output stage, with the DC input stage configured to convert DC electrical power at the DC input stage into the predetermined DC electrical power (50) available at the DC output stage, the DC output stage comprises at least one capacitor (49) across a DC positive output terminal and a DC ground output terminal (+12 V, -12 V and +5 V, see Fig. 4), an AC sense circuit (8) that detects AC electrical power at the AC input stage, the DC input stage (30) comprises a DC input stage disable line connected to the AC sense circuit, and wherein the DC input stage disable line (34) disables outputting the predetermined DC electrical power from

the DC input stage when the AC sense circuit detects AC electrical power at the AC input stage, a switching circuit (69) that receives the DC electrical power and that is configured to generate a substantially AC waveform at a first AC voltage level from the DC electrical power, a transformer (22) connected to the switching circuit and configured to convert the substantially AC waveform at the first AC voltage level to a second AC voltage level; and a rectifier (48) connected to the transformer and configured to convert the substantially AC waveform at the second AC voltage level to the predetermined DC electrical power, a buffer stage (15 & 41) connected to the switching circuit and configured to provide electrical current to the substantially AC waveform. Matsushita teach the use of a full wave rectifier in Fig. 4 (3 and 4). It would have been obvious to one having ordinary skill in the art at the time of the invention to replace the rectifier (48) with a full wave rectifier as taught in Fig. 4, in order to provide full wave rectification with one element functions during positive half-cycles and the other during negative half-cycles.

Page 3

Response to Arguments

3. Applicant's arguments with respect to claims 1-6, 8-14 and 16-19 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 571-272-2077. The examiner can normally be reached on Monday- Friday 8 AM to 6 PM.

Application/Control Number: 10/760,440

Art Unit: 2838

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sillo 8

Primary Examiner

Art Unit 2838